

Rabbit SMC1A Polyclonal Antibody | anti-SMC1A antibody

SMC1A Antibody

CATALOG # AAA225466	HOST Rabbit	APPLICATIONS Western Blot, Immunohistochemistry
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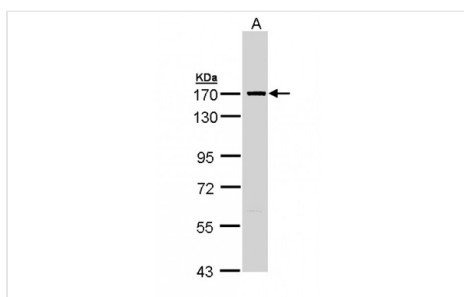
PRODUCT SYNONYMS

SMC1A; Polyclonal Antibody; SMC1A Antibody; Affinity Purified Rabbit Polyclonal SMC1A Antibody; Polyclonal SMC1A antibody; Anti-SMC1A antibody; SMC protein 1A antibody; SMCA 1 antibody; SMCA 1; CDLS2 antibody; SB1.8 antibody; SMCB antibody; SMC1L1 antibody; DXS423E antibody; KIAA0178 antibody; SMCA-1 antibody; SMCA-1; SMC1 structural maintenance of chromosomes 1-like 1 antibody; DKFZp686L19178 antibody; SMC-1A antibody; SMC1 antibody; MGC138332 antibody; SMC1alpha antibody; SMC1A antibody; anti-SMC1A antibody

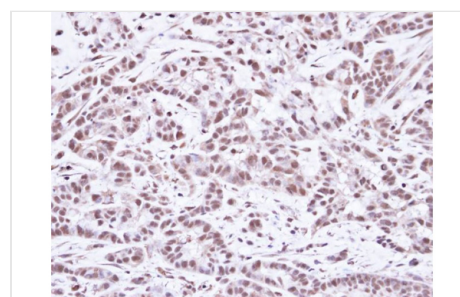
PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen-Affinity Chromatography
Form/Format	Supplied as a concentrated solution containing 0.1M Tris, 0.1M Glycine, 10% Glycerol (pH 7.0). 0.01% Thimerosal was added as a preservative.
Concentration	1 mg/ml (varies by lot)
Sequence Length	417
Applicable Applications for anti-SMC1A antibody	WB (Western Blot), IHC (Immunohistochemistry)
Cross-Reactivity	Human
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES


WB (Western Blot)

Western blot analysis of 30 ug of whole cell lysate (A: Molt-4) using a 7.5% SDS PAGE gel and SMC1A antibody at a dilution of 1:5000


IHC (Immunohistochemistry)

Immunohistochemical staining of paraffin-embedded A549 Xenograft using SMC1A antibody at a dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-SMC1A antibody	Proper cohesion of sister chromatids is a prerequisite for the correct segregation of chromosomes during cell division. The cohesin multiprotein complex is required for sister chromatid cohesion. This complex is composed partly of two structural maintenance of chromosomes proteins, SMC3 and either SMC1L2 or the protein encoded by this gene. Most of the cohesin complexes dissociate from the chromosomes before mitosis, although those complexes at the kinetochore remain. Therefore, the encoded protein is thought to be an important part of functional kinetochores. In addition, this protein interacts with BRCA1 and is phosphorylated by ATM, indicating a potential role for this protein in DNA repair. This gene, which belongs to the SMC gene family, is located in an area of the X-chromosome that escapes X inactivation.
Product Categories/Family for anti-SMC1A antibody	Differentiation & Development

NCBI AND UNIPROT INFORMATION

NCBI GI #	51327185
NCBI GeneID	8243
Molecular Weight	143 kDa
NCBI Official Full Name	SMC1A protein, partial
NCBI Official Synonym Full Names	structural maintenance of chromosomes 1A
NCBI Official Symbol	SMC1A
NCBI Official Synonym Symbols	SMC1; SMCB; CDLS2; SB1.8; SMC1L1; DXS423E; SMC1alpha
NCBI Protein Information	structural maintenance of chromosomes protein 1A

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/smc1a-antibody-western-blot-immunohistochemistry-elisa/225466>